

A PRELIMINARY CATALOGUE OF THE  
CHRYSOMELIDÆ OF OREGON

BY MELVILLE H. HATCH AND SAMUEL BELLER

The following list of Chrysomelidæ from Oregon contains ninety-one species and two varieties. Of these, forty-nine species and one variety are represented in the collection of the Oregon State Agricultural College, very kindly loaned to us by Professor W. J. Chamberlin of that institution; three species were added by Mr. L. G. Gentner of the Southern Oregon Experiment Station, to whom we are indebted for permission to incorporate these and other records; one species and one variety were added by specimens in the collection of the senior author; thirty-eight species and one variety were added from the literature. In a concluding paragraph ten species and two varieties are listed that occur both in Washington and in California and, consequently, are very probably members of the Oregon fauna. This gives a total of 101 species and four varieties, which probably represents ninety per cent or more of the Chrysomelidæ inhabiting the state.

In the list, localities without qualification are represented by specimens in the collection of the Oregon State Agricultural College; localities followed by the citation "(Hatch)" or "(Kincaid)" are represented by specimens in the collection of the senior author; localities taken from the literature bear a bibliographic citation; localities included on the authority of Professor Chamberlin or Mr. Gentner are so marked, specimens representing the latter being in Mr. Gentner's collection. The sequence of species is that of Leng, Cat. Col. Amer. n. of Mex. 1920, and the numbers preceding the species are the serial numbers employed in that catalogue.

- 15194 *Donacia hirticollis* Kby. Blue Mountains (Tollgate 5000 feet) (M. C. Lane), Klamath County (Lake of the Woods).
- 15196 *D. pubescens* Lec. (Schaeffer, Brook. Mus. Sci., Bull. III, 1925, p. 91).
- 15216 *D. (Plateumaris) emarginata* Kby. Mount Jefferson.  
——— *D. (P.) germari* var. *flavipennis* Mann. Dilley (Schaeffer, l. c., p. 142).

- 15213a *D. (P.) pusilla* var. *pyritosa* Lec. Corvallis (Kincaid), Steins Mountains.
- *D. (P.) longicollis* Schaeffer. Corvallis (Kincaid), Hood River (Schaeffer, l. c., p. 157).
- 15219 *Orsodacne atra* Ahr. Steins Mountains. Represented by the following varieties: Var. B, black, base of femora pale; Var. T, pale with sutural and side margins of elytra narrowly black; Var. Y, pale with apex of elytra dark; Var. Z, as in "T" with pronotum dark.
- 15220 *Syneta carinata* Mann. (Bristley, Pan-Pac. Ent. IV, 1927, p. 59).
- 15221 *S. simplex* Lec. (Leng, Cat. Col., 1920, p. 287).
- 15222 *S. hamata* Horn. Blue Mountains (Anthony L.), Bellfontain, Corvallis, Klamath County, La Grande, Mary's Peak, Waldport.
- 15224 *S. albida* Lec. Corvallis, Waldport.
- 15229 *Zeugophora scutellaris* Suffr. (Bristley, l. c., p. 115).
- 15231 *Z. californica* Cr. (Leng, l. c., p. 287).
- 15234 *Crioceris asparagi* L. ab. *linnei* Pic. Gresham, Hermiston.
- 15287 *Saxinis saucia* Lec. Ashland, Klamath Falls, Oregon Mountains (Josephine County), Siskiyou Pass (Jackson County), Sparta (Baker County).
- 15392 *Pachybrachis melanostictus* Suffr. Portland and Huntington (Fall, Trans. Am. Ent. Soc., XLI, 1915, p. 398).
- 15393 *P. peccans* Suffr. Huntington (Fall, l. c., p. 400).
- 15440 *P. bivittatus* Say. Huntington (Fall, l. c., p. 449).
- 15442 *P. circumcintus* Cr. Hood River and Josephine County (Fall, l. c., p. 450).
- 15452 *P. præclarus* Weise. Jackson County. The three specimens at hand differ from typical *præclarus* by having the anterior margins of the pronotum and elytra narrowly pale, the pronotum with a median pale vitta at the anterior half and a pair of divergent pale vittæ at the base, one on either side of the middle.
- 15481 *Cryptocephalus sanguinicollis* Suffr. La Grande. Var. *nigerrimus* Cr. (Leng, l. c., p. 291).
- 15521 *Diachus auratus* Fab. Corvallis, Monroe (Hatch).

- 15560 *Colaspis oregonensis* Cr. (Leng, l. c., p. 292).
- 15604b *Adoxus obscurus* var. *villosulus* Schrank. Alsea Mountain, Crater L., Portland, Three Sisters, Valsetz.
- 15612 *Glyptoscelis illustris* Cr. (Leng, l. c., p. 293).
- 15616 *G. alternata* Cr. Crane, Steins Mountains (Fish L.), Wild Horse.
- 15617 *G. albida* Lec. Klamath County.
- 15619 *G. squamulata* Cr. (Leng, l. c., p. 293).
- 15628 *Chrysochus auratus* subsp. *cobaltinus* Lec. Dalles, Gold Hill, Medford.
- 15633 *Timarcha intricata* Hald. Corvallis, Portland.
- 15636 *Hydrothassa vittata* Oliv. (Leng, l. c., p. 294).
- 15648 *Leptinotarsa decemlineata* Say. Richland.
- 15669 *Calligrapha elegans* Oliv. Portland.
- 15676 *C. multipunctata* Say. Hermiston.
- 15677 *C. bigsbyana* Kby. (Leng, l. c., p. 295).
- 15680 *C. sigmoidea* Lec. Corvallis.
- 15687 *Chrysolina basilaris* Say. Baker.
- 15695 *Phædon prasinella* Lec. (Leng, l. c., p. 295).
- 15702 *Gastroidea dissimilis* Say. Corvallis, Medford, Portland, Salem.
- 20190½ *Chrysomela immaculata* Schaeffer (Schaeffer, Can. Ent., LX, 1928, p. 45).
- 15708 *C. interrupta* Fab. Alsea Mount, Dalles: forms with all spots discrete and with the two subapical spots confluent. Var. *ænicollis* Schaeffer. Corvallis, Crater L.: form with elytra black with eight to ten more or less isolated pale spots. The var. *ænicollis* is represented by the Corvallis and Crater L. specimens.—M. H. H.
- 15710 *C. lineatopunctata* Forst. Corvallis (Kincaid); var. *confluens* Rogers. Crane, form with black elytra.
- 15727 *Trirhabda canadensis* Kby. Baker, Corvallis, Enterprise, Medford, Union County.
- 15736 *T. flavolimbata* Mann. Southern Oregon (Horn, Trans. Am. Ent. Soc., XX, 1893, p. 73).
- 15751 *Galerucella nymphaeæ* L. Lake of Woods (Klamath County).

- 15753a *G. decora* subsp. *carbo* Lec. Portland.
- *G. spiræophila* sp. nov. Astoria, Corvallis, Klamath County, Monroe (Hatch), Summit (Benton County), Upper Klamath Marsh.
- 15754 *G. luteola* Mull. Corvallis.
- 15756 *Monoxia consputa* Lec. Crater Lake, Klamath Falls, Silver Lake, Tumalo.
- 15757 *M. debilis* Lec. Corvallis, Crater Lake, Eugene (Hatch), Harney Lake (Harney County), Klamath Falls, Mc-Minnville, Monroe (Hatch), Phoenix, Tumalo.
- 15759 *M. sordida* Lec. Crater Lake, Klamath County.
- 15770 *Diabrotica soror* Lec. Canyonville (Hatch), Corvallis, Cottage Grove (Hatch).
- 15783 *D. trivittata* Fab. Alsea, Corvallis.
- 15785 *Phyllobrotica lupèrina* Lec. Corvallis and Pratum (Chamberlin).
- 15802 *Scelolyperus schwarzi* Horn. Hood River (Horn, l. c., p. 106).
- 15803 *S. longulus* Lec. (Leng, l. c., p. 297).
- 15830 *Luperus varipes* Lec. Drake Peak (Lake County).
- 15852 *Galeruca externa* Say. Mount Hood (Cloud Cap Inn).
- 15861 *Hypolamprosis pilosa* Ill. (Leng, l. c., p. 299).
- 15895 *Disonycha uniguttata* Say. Elgin.
- *D. nigriventris* Schaeffer. Blitzen River (Schaeffer, Jour. N. Y. Ent. Soc., XXXIX, 1931, p. 282).
- *D. latiovittata* sp. nov. *Haltica puncticollis* Lec. (nec Kby. 1837), which is probably the same as this new species, was described from Oregon and California. Mr. Gentner reports specimens that he assigns to Leconte's species from Grants Pass.
- *D. neglecta* Schaeffer (Schaeffer, l. c., p. 284).
- 15906 *D. triangulari* Say. Ontario.
- 15916 *Altica bimarginata* Say. Ashland (Gentner), Corvallis, Dodge Park (Gentner), Veronia (Gentner).
- 15929 *A. probata* Fall (det. by Gentner). Corvallis.
- 15939 *A. aruginosa* Lec. (Leng, l. c., p. 300).

- 15943 *A. tombacina* Mann. (*evicta* Lec.) (det. by Gentner). Astoria (Lovett-Gentner), Dodson (Carl D. Duncan-Gentner), McKenzie Pass (Hatch), Monroe (Hatch), Polk County, Portland, Valsetz.
- 15945 *A. tincta* Lec. (det. by Gentner). Ashland, Elgin, Klamath County (Pelican Bay).
- 15968 *Chalcoides helxines* L. Corvallis, Sparta (Baker Co.), Upper Klamath Marsh (Lovett-Gentner).
- 15977 *Hippuriphila modeeri* L. (Leng, l. c., p. 301).
- 15985 *Epitrix subcrinita* Lec. Corvallis, Portland (Gentner), Talent (Gentner).
- 15990 *Leptotrix recticollis* Lec. (Leng, l. c., p. 301).
- 15995 *Chaetocnema cribrata* Lec. (Horn, l. c., XVI, 1889, p. 257).
- 15997 *C. irregularis* Lec. Warner Mountains (Lake County), (Gentner).
- 16028 *Systema taniata* Say. Ontario.
- 16035 *Longitarsus oregonensis* Horn. (Leng, l. c., p. 302).
- 16067 *Phyllotreta oregonensis* Cr. (Leng, l. c., p. 302).
- 20245 *J. utana* Chittn. Corvallis and Forest Grove (Chittenden, Ent. Amer., VIII, 1927, p. 22).
- *P. vitta* var. *lineolata* Chittn. Corvallis (Chittenden, l. c., p. 25).
- *P. perspicua* Chitt. Klamath Lake (Chittenden, l. c., p. 29).
- 16069 *P. denticornis* Horn. Dalles and Hood River (Chittenden, l. c., p. 35).
- 16071 *P. decipiens* Horn. Portland (Chittenden, l. c., p. 37).
- 16072 *P. albionica* Lec. Dalles and Huntington (Chittenden, l. c., p. 39).
- 16077 *P. lewisi* Cr. Dalles and Ontario (Chittenden, l. c., p. 46).
- *P. polita* Chittn. Corvallis (Chittenden, l. c., p. 57).
- 16089 *Psylliodes punctulata* Melsh. Corvallis (Gentner), Elgin, Talent (Narrows) (Gentner).
- 16090 *P. convexior* Lec. Talent (Gentner).
- 16096 *Anisostena nigrita* Oliv. Elgin.
- 16129a *Microrhophala vittata* var. *latula* Lec. (Leng, l. c., p. 303).
- 16149 *Jonthonota nigripes* Oliv. Corvallis, Hermiston.

The following ten species and two varieties have a Washington and California distribution and probably occur in Oregon: *Zeugophora abnormis* Lec., *Z. varians* Cr., *Pachybrachis donneri* Cr., *Adoxus obscurus* L. typical form, *Phædon prasinella* var. *punctatus* Hatch, *P. oviformis* Lec., *Disonycha pluriligata* Lec. (*quinquevittata* Say nec Fab.), *Epitrix cucumeris* Harr., *Mantura floridana* Cr., *Phyllotreta pusilla* Horn, *Dibolia ovata* Lec., *Chelymorpha cassidea* Fab.

***Galerucella* (s. str.) *spiræophila* Hatch, sp. nov.**

Dull yellowish brown with antennæ, occiput, three spots on pronotum, and ventral surface of body except extreme apex of last segment black; pronotum more or less densely and regularly punctate with small impunctate areas toward the anterior angles; elytra evidently pubescent, evidently punctate with the intervals between the punctæ nearly smooth, sutural angles rounded; mesocoxæ nearly contiguous; fifth abdominal sternite in male deeply emarginate, the emargination extending nearly three-fourths the total length of the segment, in female more or less notched at apex; length 5 mm.

Type, allotype, and fifty paratypes, Chase Lake (Snohomish County), Washington, April 30, 1931, M. H. Hatch; 9 paratypes, Seattle, Washington, August 17, 1928; 1 paratype, Seattle, Washington, April 26, 1928; 4 paratypes, Evans Creek (King County), May 11, 1929, M. H. Hatch; 1 paratype, Snoqualmie Falls, May 10, 1930, M. H. Hatch; 1 paratype, Lopez Island, Washington, July 3, 1926; 4 paratypes, Leavenworth, Washington, June 29, 1931, R. W. Kiser; 1 paratype, Monroe, Oregon, June 18, 1930, all in Hatch collection. Two paratypes, Mount Adams, Washington, July 1, 1925, M. C. Lane, and Toppenish, Washington, May 15 1926, M. C. Lane (in his collection). Five paratypes, Astoria, Oregon, January 1, 1922, A. L. Lovett; 3 paratypes, Summit, Oregon, July 5, 1929, A. L. Lovett; 1 paratype, Corvallis, Oregon, May 15, 1925; 1 paratype, Yakima, Washington, July 26, 1922, A. L. Lovett, all in collection of Oregon State Agricultural College.

The series from Chase Lake was taken on *Spiræa douglasii*.

This form is morphologically very close to *decora* Say, and may prove to be only a variety or subspecies of it. In view, however, of its distinct food plant (*decora* feeds on *Salix*), it would seem best to keep them apart. In addition, in *spiræ-*

*ophila*, the base of the head is somewhat more narrowly dark, the apex of the last abdominal segment somewhat more narrowly pale and somewhat more strongly notched in the female.

The food plant is known only for the specimens from Chase Lake. All captures of *Galerucella* should be accompanied by a notation of food plant, since Fall (Me. Agric. Exp. Sta., Bull. 319, 1924, pp. 81-91) has shown this to be frequently of great taxonomic significance.

### *Disonycha latiovittata* Hatch, sp. nov.

Elongate, subparallel; head pale with narrow occipital margin, labium, and two more or less coalescent spots on front (which may be obsolete) black; pronotum with from two to five black spots, evidently punctate; elytra yellow with a common sutural, a discal, and a marginal dark vitta; the marginal and sutural vittæ meeting at apex, the discal vitta free at apex and as wide or wider than pale vittæ on either side; below pale except for tibiæ, tarsi, and more or less restricted areas on the meso- and metathorax, which are black; length 7-8 mm.

Type and five paratypes, Nisqually, Washington, August 23, 1931, collected on *Salix* by Trevor Kincaid; one paratype, Sultan, Washington, May 13, 1931, D. Frizzell, all in Hatch collection. Eight paratypes, North Yakima, Washington, July 10, 1903 (two in Hatch collection); and one paratype, Wawawai, Washington, in collection of State College of Washington. Three paratypes, one each from Perry, Washington, June 17, 1923; Kettle River, Orient, Washington, July 8, 1921, and Wawawai, Washington, May 31, 1921, collected by M. C. Lane, and in his collection. One paratype, Gallatin County, Montana, July 12, No. 1305 (in University of Montana collection).

Distinguished from *pluriligata* Lec. (*quinquevittata* Say *nec* Fab.) by the discal black vitta being as wide or wider than the pale vittæ on either side, by the more coarsely punctate pronotum, by the more constant quinquemaculation of the pronotum, and by the darker tibiæ. It appears likely that Leconte has anticipated us in recognizing this species (*Haltica puncticollis* Lec. 1857 *nec* Kby. 1837), but since this may not be the case and since Leconte's name is a homonym, it was thought better to propose a new species rather than a substitute name. Moreover, the insect figured by Essig, Ins. W. N. A. 1926, fig. 288, seems to belong here.